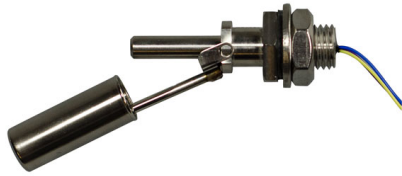


Area Liquid Level Switch for use in Intrinsically Safe Systems

The Deeter HFS-FP is horizontal magnetic float switch for control and indication of a liquid level while in a potentially explosive atmosphere.



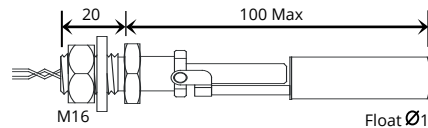
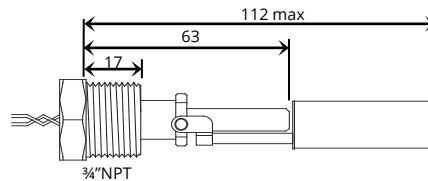
Certificate: ExVeritas 14ATEX0427X

Refer to certificate for clarification of system suitability and conditions for safe use.

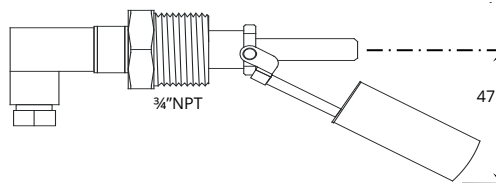
This switch must be used in conjunction with an intrinsically safe barrier when used in a potentially explosive atmosphere.



HFS FP-X-01 and HFS FP-X-02
Ex II 1G IIC T4/T6 Ga
Ex II 1D IIIC 135°C/85°C Da
-20°C ≤ Tamb ≤ +100°/+60°C



HFS FP-X-02DIN
Ex II 1G IIA T4/T6 Ga
Ex II 1D IIIA 135°C/85°C Da
-20°C ≤ Tamb ≤ +100°/+60°C



The HFS-FP is a small horizontally mounted liquid level sensor designed for high temperature/high pressure operation and sensing chemically aggressive liquids.

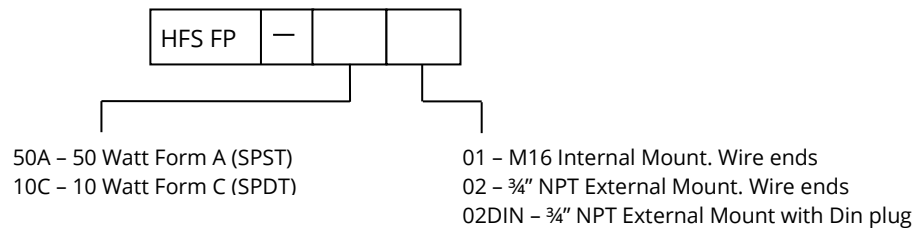
Features Include:

- ATEX Certified for use as simple apparatus in an intrinsically safe system.
- Temperature range of -20°C to +100°C.
- Internal and External Mounting Options Available.
- Available with Form A (SPST) or Form C (SPDT) contacts.
- A 1 meter cable is provided as standard, however custom lengths are available.

Specification

Minimum Liquid Specific Gravity	0.9
Maximum pressure	350psi 24bar
Ambient and liquid Temperature	-20°C to +100°C -20°C to +60°C in GasT6 / DustT85°C environment
Switch contact Rating	FormA: <240V*, 1A*, 50Watts* MAX FormC: <175V*, 500mA*, 10Watts *MAX *Maximum safety barrier ratings apply when used in hazardous area
Cable type	1 Metre PTFE insulated 7/0.2mm 3 Metre on request
Cable colours	FormA: 2x Blue FormC: Violet: Common Yellow: Normally open Blue: Normally closed
Mounting	M16 internal mount 3/4" NPT external mount
Wetted Materials	316L Stainless Steel

Ordering Code



Caution: NPT threads are specified in their reference size. This size does not refer to the physical thread diameter

All electrical equipment should be installed by a qualified/certified electrician.

The Deeter Group follows a policy of continual development of its products and reserves the right to change specifications and/or features without notice.